

Vermont Mental Health Performance Indicator Project
Agency of Human Services, Department of Health, Division of Mental Health
Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani and Joan Mongeon

DATE: August 15, 2005

RE: VSH Caseload Overlap with Other Inpatient Facilities

The following is a revised version of the PIP report originally distributed on August 12, 2005. The original report included a programming error that resulted in the exclusion of residents of some Vermont towns from the 2003 caseload. As a result, the figures reported for this group represented a small undercount of the actual proportion of VSH patients served by other hospitals (35% vs. the actual 38%). We apologize for this error and any inconvenience it may have caused.

This is the second in a series of reports based on analysis of our comprehensive data base of behavioral health services to Vermont residents. The first report, which provided an overview of inpatient behavioral health care utilization during 1990 through 2003 was distributed on July 1, 2005 (<http://www.ddmhs.state.vt.us/docs/pips/2005/pip070105.pdf>). This week's report examines the amount of caseload overlap between the Vermont State Hospital and other inpatient behavioral health care facilities during 1990 through 2003.

This report is based on analysis of extracts from existing databases provided by the Vermont Department of Health, the Vermont State Hospital, and the Brattleboro Retreat (Vermont's only private psychiatric hospital). The data provided by the Department of Health were extracted from Vermont's Hospital Discharge Data Set. The extract includes detailed (but de-identified) information regarding all episodes of hospitalization for Vermont residents that occurred in general hospitals and veterans' hospitals in Vermont and surrounding states. Because the data sets used in this analysis do not include unique person identifiers, Probabilistic Population Estimation was used to determine unduplicated counts of individuals served.

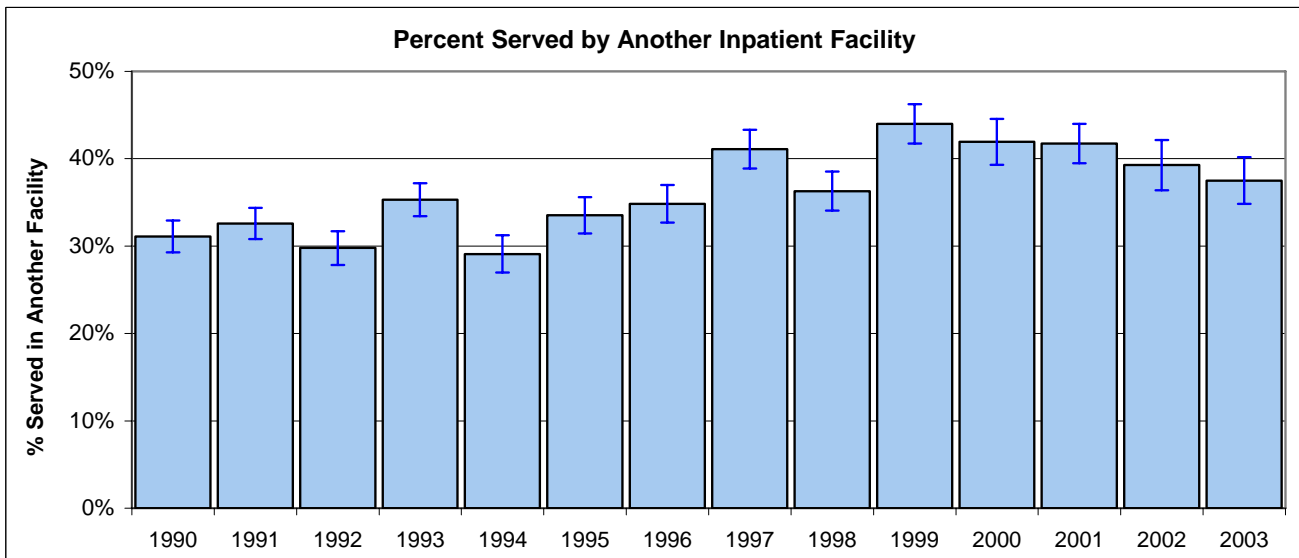
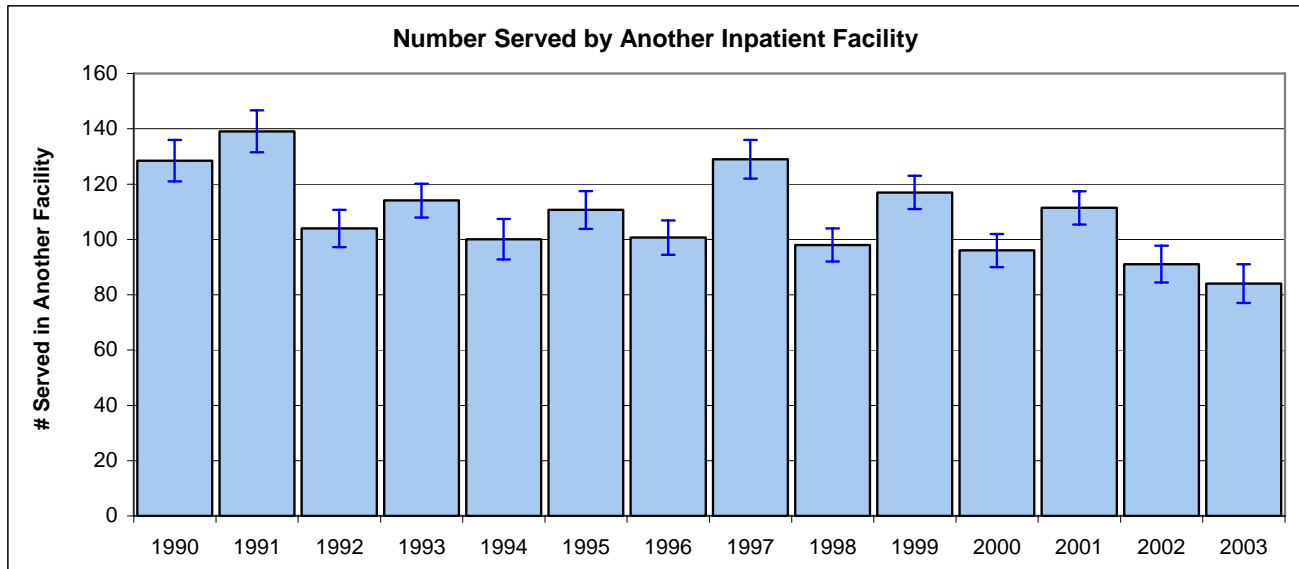
As you will see, the number of people served by the Vermont State Hospital each year has declined fairly steadily from more than 400 patients per year in 1990 and 1991 to less than 250 in 2002 and 2003. During the same period, the proportion of VSH patients who received behavioral health care services in other inpatient facilities tended to increase from 1990 (31%) to 1999 (44%) and then decreased to 38% in 2003.

Throughout this period, the largest proportion of VSH patients who were served in other facilities, were served by Vermont general hospitals. The Brattleboro Retreat provided inpatient services to about 5% of VSH patients during the years since 1995. The Veterans' Hospital in

White River Junction Vermont never exceeded 4%, and New Hampshire Hospitals exceeded 5% in only one year.

We look forward to your questions, comments and requests for further analysis to pip@vdh.state.vt.us or call 802-241-2638.

VSH Patients with Inpatient Behavioral Health Services from Another Inpatient Facility During the Same Year, 1990-2003



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total Served	413	427	349	323	344	330	289	314	270	266	229	267	232	224
# Served in Another Facility	128	139	104	114	100	111	101	129	98	117	96	111	91	84
95% Confidence Interval ()	(7)	(8)	(7)	(6)	(7)	(7)	(6)	(7)	(6)	(6)	(6)	(6)	(7)	(7)
% Served in Another Facility	31%	33%	30%	35%	29%	34%	35%	41%	36%	44%	42%	42%	39%	38%
95% Confidence Interval ()	(2%)	(2%)	(2%)	(2%)	(2%)	(2%)	(2%)	(2%)	(2%)	(2%)	(3%)	(2%)	(3%)	(3%)

Information is derived from the Hospital Discharge Data Set maintained by the Vermont Health Department, and database extracts provided by the Brattleboro Retreat and Vermont State Hospital.

The State of Vermont does not have unique client identifiers across service providers. For this reason, Probabilistic Population Estimation has been used to provide unduplicated counts of people served (with 95% confidence intervals). Actual person counts are available for the Vermont State Hospital.

VSH Patients with Inpatient Behavioral Health Services from Another Facility During the Same Year, by Facility Type, 1990-2003

